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(71)Applicant : CIBA GEIGY AG

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(72)Inventor: KAUFMANN WERNER
REINEHR DIETER
HILFiker ROLF

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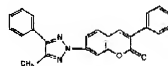
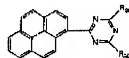
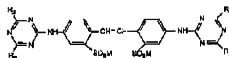
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(54) TEXTILE TREATMENT

(57)Abstract:

PURPOSE: To improve the sun protection factor(SPF) of a textile material by treating the material with a compsn. contg. a specific fluorescent brightener which also acts as an ultraviolet absorber.

CONSTITUTION: A textile material is treated with a compsn. contg. a fluorescent brightener which absorbs a radiation in a wavelength range of 280–400 nm. The treatment is conducted pref. in a neutral, alkaline, or acidic aq. bath depending on the type of the brightener, and the treating temp. is usually 20–140°C. A compd. of formula I [wherein R1 is 2,5-disulphophenyl; R2 is morpholino, N(C2H5)2, or the like; and M is H, Na, or the like] [e.g. 4,4'-bis-(triazinylamino)stilbene-2,2-disulfonic acid] is pref. as the brightener for treating cotton fabrics; a triazinylpyrene of formula III (wherein R30 is 1-4C alkoxy) is pref., for treating polyester fabrics; and a coumarine compd. of formula III is pref. for treating wool or silk.



Reference 1:

JP Pat. Application Disclosure No. 7-310095 – 28 November 1995

Application No. 7-113495 – 12 May 1995

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Applicant: Ciba Geigy AG, CH

Title: Treatment of fiber

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